OFFICIAL PROPOSALS

Bids: June 19.

Trench Excavating

Memphis, Tenn.

The Board of Water Commissioners of the City of Memphis, Water Department, will receive proposals at the office of the Department, 105-107 North Second Street, Memphis, Tennessee up until 12 o'clock noon Tuesday, June 19, 1923, for excavating by machinery trenches for cast iron collecting conduit, tile drains and compressed air lines —this work being in connection with the Parkway Pumping Station construction. Depth of trenches varies from 4 to 16 feet. The following table shows the approximate lineal feet of trench for the various sizes of pipe:

COLLECTING CONDUIT

3,000 lineal feet for 42-inch pipe.
10,000 lineal feet for 36-inch pipe.
500 lineal feet for 30-inch pipe.
1,000 lineal feet for 20-inch pipe.
3,000 lineal feet for 14-inch pipe.

TILE DRAINS

10,000 feet for 12-inch tile.
200 feet for 8-inch tile.

FOR COMPRESSED AIR LINES

1,200 lineal feet for 4—10-inch lines in one trench.
2,500 lineal feet for 3—10-inch lines in one trench.
4,500 lineal feet for 2—10-inch lines in one trench.
2,500 lineal feet for 1—8-inch line in one trench.
3,000 lineal feet for 1—4-inch line in one trench.

It is desired that proposals be submitted per lineal foot of trench for the entire contract. The Department will guarantee a minimum of from 300 to 400 feet per day depending upon the size and depth of trench dug. Detailed information, together with plans and specifications, may be obtained at the offices of the Department, 105-107 North Second Street, Memphis, Tennessee. The successful contractor will be required to furnish bond to the full amount of the contract price covering the faithful performance of the work, the expense of this bond to be paid by the Water Department. The contractor will be required to begin work within fifteen (15) days after award of contract. The right is reserved to reject any or all bids. Address proposals to the Board of Water Commissioners of the City of Memphis, Water Department. Mark "Bid for Trench Excavating."

Board of Water Commissioners, City of Memphis, Water Department.

JAMES SHEAHAN,
General Superintendent.

Bids: June 25.

Street Paving

Augusta, Ga.

SEALED PROPOSALS will be received by the Permanent Paving and Civic Improvements Committee of the City Council of Augusta, Ga., until 12 o'clock (noon), Monday, June 25, at the City Hall, and at that time and place publicly opened, for paving the following streets:

FIFTH (CENTER) STREET, from Broad to Calhoun Streets, consisting of approximately:

10,000 Sqare yards of pavements.
3,000 Cubic yards of excavation.
2,000 Lineal feet of re-set curb.
423 Lineal feet of marginal curb.
1,000 Cubic yards of concrete in car tracks.
600 Cubic yards of ballast under car tracks.

TWIGGS STREET, from Telfair Street to the intersection of the Savannah Road and the Milledgeville Road, consisting of approximately:

27,000 Square yards of pavement.
8,000 Cubic yards of excavation.
1,500 Lineal feet of re-set curb.
600 Lineal feet of marginal curb.
1,600 Cubic yards of concrete in car tracks.
1,040 Cubic yards of ballast under car tracks.

MILLEDGEVILLE ROAD, from the Savannah Road to the City Limits, consisting of approximately:

17,000 Square yards of pavement.
5,000 Cubic yards of excavation.
10,000 Lineal feet of New Granite Curb. Lineal feet of re-set curb.
600 Lineal feet of marginal curb.
1,200 Cubic yards of concrete in car tracks.
800 Cubic yards of ballast under car tracks.

SAVANNAH ROAD, from the Milledgeville Road to 12th (Marbury) Street, consisting of approximately:

5,500 Square yards of pavement.
1,500 Cubic yards of excavation.
2,800 Lineal feet of new granite curb.
200 Lineal feet of re-set curb.
150 Lineal feet of marginal curb.

BROAD STREET, from Eve Street to the Lake View Bridge, consisting of approximately:

18,000 Square yards of pavement.
4,500 Cubic yards of excavation.
1,000 Lineal feet of re-set curb.
4,000 Lineal feet of new granite curb.
200 Lineal feet of marginal curb.
2,000 Cubic yards of concrete in car tracks.
1,270 Cubic yards of ballast under car tracks.

Approximately thirty per cent (30%) of the above proposed pavement will be on sections of the streets containing no car tracks.

Bids will be received on any and all types of pavements.

As a guarantee that the bidder will execute the contract, if awarded, all bids must be accompanied with a certified check, or bidder's bond, in favor of the City Council of Augusta, in the sum of five per cent (5%) of the total amount bid.

Address all bids to J. W. Westmoreland, Clerk of Council, marking on envelope "Proposal for Paving.....Street, from .....to .....Street, Augusta, Ga."

Proposal form, plans and specifications may be obtained from the undersigned after June 11, by depositing the sum of ten ($10.00) dollars, which amount will be refunded upon the return of the plans and specifications.

The City reserves the right to reject any and all bids.

W. H. WISE,
City Engineer and Commissioner of Public Works.

June 7, 1923.

Bids: June 28.

Reinforced Concrete Reservoir

DuBois, Pa.

Sealed proposals addressed to the City Council of DuBois, Pa., for the construction of a reinforced concrete reservoir will be received by J. C. Weaver, City Clerk, at the City Hall, West Scribner Avenue, DuBois, Pa., until 5:00 P.M., Thursday, June 28th, 1923, and will be opened by the Council at the Council Chamber at 7:30 P.M., Eastern Standard Time, of that day.

The work under this contract will consist of the construction of a reinforced concrete reservoir, 165 feet inside diameter, 26 feet high, including the necessary excavation, and embankment for the same; the construction of a control chamber, a 12-inch terra cotta drain approximately 500 feet long, piping connections, auxiliary drains and all necessary appurtenances.

Plans, specifications, and form of contract are on file and can be obtained at the office of the City Engineer, City Hall, DuBois, Pa., or at the office of Morris Knowles, Incorporated, 507 Westinghouse Building, Pittsburgh, Pa.

A set of the plans and specifications may be obtained for use in making up a bid by depositing Ten Dollars ($10.00) and this deposit will be refunded if such plans and specifications are returned in good condition within two weeks after the date set for receiving bids by the City Council.

Each proposal shall be accompanied by a certified check for an amount not less than five per cent (5%) of the proposal, drawn to the order of the City of DuBois, Pa. The bidder to whom the contract is awarded will be required to furnish, for the faithful performance of the work under this contract, an approved Surety Company Bond in the amount of fifty per cent (50%) of the sum of the bid submitted.

CITY OF DUBOIS, PA.
A. J. HAAG, Mayor.
J. C. WEAVER,
City Clerk.

Bids: June 18.

Paving

Port Jervis, N. Y.

Sealed proposals will be received by the undersigned until 8 p.m., on June 18, 1923, for the construction of approximately 8,200 sq.yd. of reinforced concrete paving at Port Jervis, N. Y., under specifications on file in the City Clerk's Office. Certified check of $500 payable to the City of Port Jervis, N. Y., must accompany each bid. The right to reject any or all bids is reserved.

Common Council of the City of Port Jervis, N. Y.
per JOHN F. CLEARY, City Clerk.

Bids: June 29.

Vincentown-Cross Roads Road Bridgeboro-Chester Ave. Road and Florence Road

Mount Holly, N. J.

Notice is hereby given that sealed bids will be received by the Board of Chosen Freeholders for the reconstruction of the following roads: Road No. 19, Bridgeboro to Chester Ave., in the Townships of Delran and Moorestown; estimated amount of surface pavement required is 38,655 sq.yds.; Road No. 3, Vincentown-Cross Roads Road, in the Township of Southampton; estimated amount of surface pavement required is 46,622 sq.yds.; Road No. 15 Florence Road, in the Township of Florence; estimated amount of surface pavement required is 26,900 sq.yds. Said roads to be constructed of sheet asphalt surface upon a macadam foundation; and opened and read in public at the Collector's Office, Mt. Holly, N. J., on the 29th day of June, 1923, at 10:45 A.M., Eastern Standard Time.

Drawings and specifications and forms of bid contract and bond for the proposed work, prepared by H. B. Smith, County Engineer, has been filed in the office of the said engineer, Court House, Mount Holly, N. J., and may be inspected by prospective bidders during business hours. Bidders will be furnished with a copy of the specifications and blue print of the drawings by the engineer on proper notice and payment of preparation. Bids must be made on the standard proposal forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes, bearing the name and address of bidder and the name of road on the outside, addressed to Alfonza Adams, Clerk, Mount Holly, N. J., and must be accompanied by a certificate from a Surety Company and a certified check for not less than 10 per cent of the amount of the bid and be delivered at the place and on the hour above named. The standard proposal form is attached to the specifications, copies of which will be furnished upon application to engineer.

The Board reserves the right to reject any or all bids.

By order of the Board of Chosen Freeholders of the County of Burlington, N. J.
ALFONZA ADAMS, Clerk.

Bids: June 27.

Steel and Concrete Bridge Work

REPAIRING AIKEN STREET BRIDGE OVER NORTHERN CANAL

Lowell, Mass.

Sealed bids for repairing Aiken Street Bridge over Northern Canal in the City of Lowell, including the removal of the existing wooden dock, the two iron railings, the end plates of the two plate girders, the top course of stone of each of the granite parapets of the existing abutments, and the construction of a new concrete deck with a bituminous macadam road surfacing, new concrete sidewalks, new iron railings, new steel plates at the ends of the plate girders, some miscellaneous steel in the roadway, and the painting of the entire steel structure and some repaving of the approaches, will be received by the Board of Public Service of said city at its office in City Hall until 12 o'clock noon (daylight saving time) Wednesday, June 27, at which time and place the bids will be publicly opened and read aloud.

The bridge has two through plate girders approximately 107 feet long, spaced 35 feet between centers. The bridge carries a roadway 31 feet 6 inches wide between curbs, and two cantilever sidewalks 7 feet 6 inches wide.

Each bid must be accompanied by a properly certified check for Two Thousand (2,000) Dollars. A bond in the sum of Ten Thousand ($10,000) Dollars of an approved surety company will be required for the faithful performance of the contract.

A more complete description of the work to be done is given in Notice to Bidders, Bid, Agreement, Articles, Bond Specifications and Contract Drawings.

Copies of the foregoing may be obtained from the Engineer, Fay, Spofford & Thorndike, 200 Devonshire Street, Boston, Mass., on and after June 11, 1923.

Receipt of bids will be subject to the conditions stated in said Notice to Bidders.

The right is reserved to reject any and all bids.

Board of Public Service, Lowell, Mass.
By STEPHEN KEARNEY, Clerk.

FAY, SPOFFORD & THORNDIKE,
200 Devonshire Street,
Boston, Mass.

OFFICIAL PROPOSALS

Bids: June 20.

Concrete Pavement

Freehold, N. J.

Notice is hereby given that sealed bids will be received by the Board of Chosen Freeholders of the County of Monmouth for the reconstruction of the Englishtown-Jamesburg Road, No. 19, with a reinforced concrete pavement for a distance of 1.25 miles, and opened and read in public at the rooms of said board, Court House, Freehold, New Jersey, on Wednesday, June 20, 1923, at 11 A.M., daylight saving time.

Drawing and specifications for the proposed work, prepared by Geo. F. Randolph, Civil Engineer, have been filed in the office of said Engineer at 60 Broad Street, Red Bank, New Jersey, and may be inspected by prospective bidders during business hours. The standard proposal form is attached to the specifications, copies of which will be furnished on application to the Engineer.

Plans and specifications will be furnished to prospective bidders upon payment of ten dollars ($10.00), which amount will be refunded upon return of plans and specifications before the time specified for the opening of bids.

Bids must be made on the standard proposal forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes, bearing the name and address of the bidder and name of proposed work on the outside, addressed to the Board of Chosen Freeholders of the County of Monmouth and must be accompanied by a certified check for a sum not less than ten (10) per cent of the amount bid on the work, payable to the order of the County Treasurer and a surety company certificate stating that said surety company will provide the bidder with the required bond, and must be delivered at the place and before the hour above named.

The Board of Chosen Freeholders of the County of Monmouth reserves the right to reject any or all bids if deemed to the best interests of the County so to do.

By order of the Board of Chosen Freeholders of the County of Monmouth.

BRYANT B. NEWCOMB, Director.

Attest:
CHAS. E. COLE, Clerk.
Freehold, N. J., May 23, 1923.

Bids: June 22.

State Highway Work

Providence, R. I.

Sealed proposals for the reconstruction under the provisions of the Federal Aid Road Act of a Section of State Highway in the Towns of Richmond and Hopkinton, between Wyoming and Hopkinton City on the New London Turnpike, will be received by the State Board of Public Roads at its office, State House, Providence, R. I., until 12 M. (Daylight Saving), 11 a.m. (Eastern Standard) on Friday, June 22, 1923, at which time they will be opened and read in public.

The principal estimated quantities are as follows:

Contract No. 2305—Federal Aid Project No. 18—5.51 miles Reinforced Cement Concrete Pavement.

Excavation	21,200 cu.yd.
Gravel Foundation	3,000 cu.yd.
Sub-drain	1,300 lin.ft.
Pipe Culverts	2,700 lin.ft.
Wooden Guard Rail	9,000 lin.ft.
Reinforced Cem. Conc. Pavement	11,340 cu.yd.
Cement for concrete pavement	20,640 bbl.
Galvanized steel fabric in pavement	295,000 lb.
Steel bars for reinforcement	33,000 lb.

Bids must be made upon blank forms to be furnished by the Board.

No bid will be accepted unless accompanied by a certified check for the sum of $200.00, payable to the State of Rhode Island.

The Board reserves the right to reject any and all bids, and to give preference to towns or cities, in accordance with Section V of Chapter 84 of the General Laws.

Plans may be examined and specifications and bidding blanks may be obtained at the office of the State Board of Public Roads, State House, Providence, R. I., on and after Monday, June 11, 1923, every week day (except holidays and Saturdays), between the hours of 9 a.m. and 5 p.m. Saturdays 9 a.m. to 12 m.

State Board of Public Roads.
ABRAM L. ATWOOD
BENJAMIN F. ROBINSON
FRANK COLE
ALTON HEAD
JOHN W. HANLEY

Bids: June 25.

State Road Work

Trenton, N. J.

Notice is hereby given that sealed bids will be received by the State Highway Commission of New Jersey for the construction of the following:

Route No. 4, Section No. 21, Point Pleasant-Laurelton, in the County of Ocean. Estimated 12,846 cu.yds. of excavation, 33,937 sq.yds. of gravel surface, and 57,483 sq.yds. of single line eight inch (8") reinforced concrete pavement.

Route No. 5, Section No. 10, Chatham-Brantwood, in the Counties of Morris, Essex and Union. Estimated 7,212 cu.yds. of excavation, 461 sq.yds. of Sheet Asphalt pavement, 4,300 sq.yds. of Granite Block pavement, and 20,566 sq.yds. of double line eight inch (8") reinforced concrete pavement.

Bids will be received at the Assembly Chamber, State House, Trenton, New Jersey, on Monday, June 25th, 1923, at 11:00 a.m., Standard Time, and opened and read immediately thereafter.

Drawings, specifications and form of bid, contract and bond for the proposed work are on file in the office of the State Highway Department, Trenton, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on deposit of Ten Dollars ($10.00) upon application to the State Highway Department, 9th floor Broad St. Bank Building, Trenton, New Jersey. Bids must be made on the standard proposal forms in the manner designated therein, and as required by the 1922 specifications, same to be enclosed in sealed special addressed envelopes bearing the name and address of bidder and the name and section of the route on the outside, and must be accompanied by a certified check drawn to the order of the Treasurer of the State of New Jersey for not less than ten per cent (10%) of the amount of the bid, provided that the said certified check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the above place on or before the hour named. Copies of the standard proposal form and special addressed envelopes will be furnished on application. Bids not enclosed in special envelopes will be considered informal and will not be opened.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of the said specifications, conditioned for the faithful performance of the provisions of the contract and specifications. Each bidder must also accompany his bid with a Statement of Equipment properly filled out.

By order of the State Highway Commission.

A. LEE GROVER,
Chief Clerk.

Bids: June 29.

Reinforced Concrete Bridge

Reading, Pa.

Sealed proposals are hereby invited for the building of a reinforced concrete bridge over the Schuylkill River, on Schuylkill Avenue, Reading, Pa.

The bridge is to consist of five spans 106 feet and 2 spans of 40 feet, with beam and slab construction in the approaches. Total length of the bridge to be 1,057 feet, 70 feet wide all over, with a 48 feet roadway and two 11 feet 6 inch wide walks.

The contractor is to build and maintain during the construction of the new bridge a temporary bridge at the site indicated on the plans.

A deposit of $200.00 will be required for each set of plans and specifications, which will be refunded upon the return of the same. Plans and specifications are in the hands of the County Commissioners, Court House, Reading, Pa.

A certified check of $20,000.00 must be enclosed with the proposal.

Bids will be received by the County Controller at the Court House, Reading, Pa., until 10 o'clock in the morning of June 29, 1923.

JOHN P. WANNER,
County Controller,
Court House,
Reading, Pa.

Bids: June 20.

Storage Dam, Pipe Line and Filter Plant

Fairport, N. Y.

Sealed proposals will be received by the Municipal Commission of Fairport, N. Y., at its office until two o'clock P.M. standard time, Wednesday, June 20, 1923, for constructing the following works:

DIVISION 1. An earthen dam with concrete core about 45 feet in height and 400 feet in length, an adjacent earthen concrete dam 10 feet in height and about 200 feet in length with a total of 45,000 cubic yards of earth embankment and about 2,000 cubic yards of concrete. Gravel is available close to the site of the work. These dams will be located about 3 miles south of the Village of Victor, N. Y.

DIVISION 2. A rapid sand reinforced concrete filter plant with a daily capacity of 1,000,000 per day located about 3 miles south of the Village of Fairport, N. Y.

DIVISION 3. The hauling, excavating of trench and laying of approximately 10 miles of 12-inch pipe and one mile of 16-inch pipe.

DIVISION 4. The furnishing of approximately 10 miles of class A 12-inch cast iron pipe and about one mile of 16-inch cast iron pipe.

DIVISION 5. The construction of a 300,000 gallon standpipe about 30 feet in height, about one mile south of the Village of Fairport, N. Y.

The above estimate of quantities is approvimate and its accuracy is not guaranteed. Bidders should make their own estimate of quantities and cost and submit bids thereon after examining the plans and specifications and the site of the work. Bids are to be made on the unit price basis unless otherwise specified.

Plans and specifications for this work may be seen or obtained at the office of James P. Wells, Consulting Engineer, Cutler Building, Rochester, N. Y., or at the office of the Municipal Commission of Fairport, N. Y. Bidders requiring copies of the specifications and plans for their own use may secure them upon making a deposit of $10.00, which will be refunded upon return of the plans and specifications in good condition. All proposals must be accompanied by a check or a bidder's bond for a sum equal to at least 5 per cent of the bid, made payable to the Fairport Municipal Commission, as a guarantee that the successful bidder will enter into a contract with the Village of Fairport to furnish the material and perform all of the construction work necessary in accordance with the plans and specifications.

All bids will be publicly opened.

The Commission reserves the right to reject any or all proposals.

FAIRPORT MUNICIPAL COMMISSION,
WILLIAM WAGNER, Chairman.

Bids: June 15.

Highway Work

Albany, N. Y.

OFFICE OF THE STATE COMMISSION OF HIGHWAYS—Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at one o'clock p.m., advanced standard time, which is 12 o'clock noon eastern standard time, on Friday, June 15, 1923, for the reconstruction of highways in the following counties:

ALBANY	(one contract: 1.43)
BROOME	(one contract: 3.68)
CHENANGO	(one contract: 1.61)
HERKIMER	(one contract: 1.02)
JEFFERSON	(one contract: 2.95)
MADISON	(one contract: 1.30)
MONTGOMERY	(one contract: 1.65)
ORANGE	(two contracts: 2.00 and 1.96)
SARATOGA	(one contract: 2.42)
BROOME—Grade Crossing Elimination	0.37 mile.

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the office of the division engineers in whose division the roads are to be reconstructed. The addresses of the division engineers and the counties in which they are in charge will be furnished upon request.

The especial attention of bidders is called to "General Information for Bidders" in the itemized proposal, specifications and contract agreement.

FRED'K STUART GREENE,
Commissioner
W. A. PATTON, Secretary.

OFFICIAL PROPOSALS

Bids: June 26.

Hudson River Vehicular Tunnel

CONTRACT NO. 5

New York, N. Y.

Sealed bids will be received by New York State Bridge and Tunnel Commission and New Jersey Interstate Bridge and Tunnel Commission at the office of the Commissions, Room 618, Hall of Records, New York City, until 2:00 o'clock p.m. (Eastern Standard Time), Tuesday, June 26th, 1923, for the construction of a portion of two (2) tunnels as approaches to the river section of a vehicular tunnel under the Hudson River, said approach section being on the Island of Manhattan, known as Contract No. 5.

A statement of the quantities of the various items of work and further information are given in the invitation to bid forming part of the contract. At the above place and time the bids will be publicly opened and read. The award of the contract, if awarded, will be made by the Commissions as soon thereafter as practicable. The Commissions reserve the right to reject any and all bids.

Bonds in the sum of three hundred fifty thousand ($350,000) dollars each to the State of New York and to the State of New Jersey will be required for the faithful performance of the contract.

No bids will be received or considered unless accompanied by two certified checks upon a National or State Bank or Trust Company, satisfactory to the Commissions and located in New York City or the cities of Newark or Jersey City in the sum of seventy-five thousand ($75,000) dollars each, one payable to the order of the "Comptroller of the State of New York," and the other payable to the order of "The New Jersey Interstate Bridge and Tunnel Commission."

The time allowed for the completion of the work is twenty-four months after the date of the delivery of the contract.

Books containing forms of invitation to bid, proposal, contract, specifications and bond and contract drawings, etc., can be obtained at the office of the Commissions for the sum of $5.00 per set, which will be refunded upon their return in good condition within thirty (30) days from the date of receipt of bids.

New Jersey Interstate Bridge and Tunnel Commission.

THEODORE BOETTGER,
Chairman.

New York State Bridge and Tunnel Commission.

GEORGE R. DYER,
Chairman.

Bids: June 28.

Substructure

Chicago, Ill.

Sealed proposals for the construction of the substructure of a Double Leaf Trunnion Bascule Bridge (Strauss type) over the Main Drainage Channel of the Sanitary District of Chicago, on the line of South California Avenue extended across said Main Drainage Channel in the City of Chicago, County of Cook, State of Illinois, will be received by the Clerk at the office of said Sanitary District, Suite 700, 910 So. Michigan Avenue, Chicago, Illinois, until 12 M., standard time, on Thursday, June 28, 1923, and will be publicly opened by the Board of Trustees of said Sanitary District at a meeting to be held on that day or at the first meeting thereafter.

All proposals must be made upon blank forms of proposal furnished by the Sanitary District and shall be made in accordance with and to conform to the terms and conditions set forth in "Requirements for Bidding and Instruction to Bidders," attached thereto.

Said proposals shall be enclosed in an envelope furnished by the said Sanitary District, bearing the printed endorsement, "Proposal for Substructure, California Ave. Bridge."

Forms of proposal, specifications and plans may be obtained upon deposit of twenty-five dollars ($25), at the office of said Sanitary District, which sum, so deposited, will be refunded if said forms of proposal, plans and specifications are returned in good condition within thirty days following the opening of bids.

The Board of Trustees reserves the right to reject any or all proposals.

THE SANITARY DISTRICT
OF CHICAGO
By WILLIS O. NANCE,
Chairman of its Committee on Finance.
ATTEST:
HARRY E. WALLACE, Clerk.
Chicago, June 4, 1923.

OFFICIAL PROPOSALS

Bids: June 27.

State Road Work

Dover, Del.

Sealed proposals will be received by the State Highway Department, at its office, Dover, Delaware, until 2 o'clock p.m., June 27, 1923, and at that place and time publicly opened, for the construction of State Aid Highways involving the following approximate quantities:

CONTRACT NO. CN13 4.58 MILES
KIRKWOOD—TYBOUT'S CORNER

35,000 Cu.Yds. Excavation
400 Tons Broken Stone Base Course
7,600 Cu.Yds. Cement Concrete Pavement
350 Cu.Yds. Class "A" Concrete
70 Cu.Yds. Class "B" Concrete
20,000 Lbs. Reinforcement
600 Lin.Ft. 15 in. R. C. Pipe
180 Lin.Ft. 18 in. R. C. Pipe
72 Lin.Ft. 24 in. R. C. Pipe
36 Lin.Ft. 30 in. R. C. Pipe
36 Lin.Ft. 36 in. R. C. Pipe
200 Lin.Ft. Relaid Pipe
1,000 Lin.Ft. 4 in. Pipe Underdrain
4,000 Sq.Yds. Class A Concrete Gutter
1,000 Lin.Ft. Wire Cable Guard Rail
1,200 Lin.Ft. Wood Shoulder Curb
800 Lin.Ft. Timber Piling

CONTRACT NO. CK16 6.00 MILES
HOLLANDSVILLE—FELTON

1.90 Acres Clearing
1.90 Acres Grubbing
23,000 Cu.Yds. Excavation
3,000 Cu.Yds. Borrow
200 Tons Broken Stone Base Course
9,225 Cu.Yds. Cement Concrete Pavement
200 Cu.Yds. Class A Concrete
5,000 Lbs. Reinforcement
800 Lin.Ft. 15 in. R. C. Pipe
240 Lin.Ft. 18 in. R. C. Pipe
30 Lin.Ft. 24 in. R. C. Pipe
60 Lin.Ft. 30 in. R. C. Pipe
30 Lin.Ft. 36 in. R. C. Pipe
100 Lin.Ft. Relaid Pipe

CONTRACT NO. 45 1.58 MILES
N & S CONNECTIONS DOVER

5,500 Cu.Yds. Excavation
12,000 Cu.Yds. Borrow
100 Tons Broken Stone Base Course
3,100 Cu.Yds. Cement Concrete Pavement
500 Tons Amiesite
400 Cu.Yds. Class "A" Concrete
50 Cu.Yds. Class "B" Concrete
8,000 Lbs. Reinforcement
300 Lin.Ft. 15 in. R. C. Pipe
40 Lin.Ft. 18 in. R. C. Pipe
2,000 Lin.Ft. Timber Piling
1,800 Lin.Ft. Bulkhead

CONTRACT NO. M-8

2,000 R. C. Guard Rail Posts

Performance of contract shall commence within ten (10) days after execution of the contract and be completed during 1923 as specified.

Monthly payments will be made for 90 per cent of the construction completed each month.

Bidders must submit proposals upon forms provided by the Department.

Each proposal must be accompanied by a surety bond, certified check, or money to the amount of at least ten (10) per centum of the total amount of the proposal

The envelope containing the proposal must be marked "Proposal for the Construction of State Aid Highway Contract No. ....."

The Contract will be awarded or rejected within twenty (20) days from the date of opening proposals.

The right is reserved to reject any or all bids.

Detailed plans may be seen and index plans and specifications may be obtained upon deposit of ten dollars ($10.00) which amount will be refunded upon return of plans and specifications in good condition at the office of

STATE HIGHWAY DEPARTMENT,
Dover, Delaware.

Bids: June 26.

Water Mains, Valves and Hydrants

Gridley, Ill.

Sealed proposals will be received by the Board of Local Improvements of the Village of Gridley, Illinois, until 2 p.m., June 26, 1923, for furnishing and laying complete approximately 22,053 feet of 4 inch, 6 inch and 8 inch cast iron water mains, Class B. Also valves and hydrants.

Certified check for 10 per cent to accompany bid. Payment will be made in Special Assessment bonds bearing 6 per cent interest. Plans and specifications may be obtained from Mr. A. O. Rupp, Clerk, Gridley, or from Taylor & Woltmann, Unity Bldg., Bloomington, Illinois, Engineers.

OFFICIAL PROPOSALS

Bids: June 29.

Rebuilding Bridge

Salem, Mass.

Sealed proposals for rebuilding the Haverhill Lower Bridge over the Merrimack River in the City of Haverhill, Mass., will be received by the Haverhill Lower Bridge Rebuilding Commission at the County Commissioners' office in the Court House at Salem, Mass., until 11:00 o'clock a.m. of Friday, June 29, 1923, and then and there will be publicly opened and read.

The proposed bridge is to be 804 feet long and 66 feet wide, consisting of five reinforced concrete arches of 80 feet clear span, one arch of 55 feet clear span, and reinforced concrete approaches of beam and slab construction. A proposed steel bascule drawspan is not included in the proposals. The new bridge will occupy the site of the old bridge and extend downstream therefrom so that one-half of the new bridge is to be built clear of the old bridge which is then to be removed and the other half of the new bridge completed in its place.

Each proposal must be accompanied by a certified check for twenty thousand dollars ($20,000). A bond in the sum of fifty (50) per cent of the amount of the contract with an approved surety company as surety will be required for the faithful performance of the contract.

More detailed information is given in the plans, notice to contractors, specifications, and form of proposal, contract, and bond, copies of which may be inspected at the office of the Commission No. 14 Water Street, Haverhill, or may be obtained at the office of the County Engineer in the Court House at Salem upon the deposit of fifty (50) dollars, which will be refunded upon return of plans, specifications, etc., in good condition, on or before the day, herein set for the opening of proposals.

The right is reserved to reject any and all proposals.

ROBERT H. MITCHELL, Chairman.
CHARLES N. KELLY,
EDMUND C. WENTWORTH,
RAYMOND H. TREFRY,
FREDERICK BUTLER.
Haverhill Lower Bridge Rebuilding Commission.
ROBERT R. EVANS, Engineer.
Haverhill, Mass., June 8, 1923.

Bids: June 19.

Highway Work

Baltimore, Md.

Sealed proposals for building five sections of State Highway, as follows:

Frederick Co. Cont. F-60—One section of State highway from Myersville toward Ellerton, for a distance of 1.0 mile. (Macadam Resurfacing.)

Carroll Co. Cont. Cl. 40—One section of State highway from Gamber toward Finksburg for a distance of 1.0 mile. (Concrete.)

Anne Arundel Co. Cont. AA-34—One section of State highway along the Mayo Road for a distance of 2.0 miles. (Gravel.)

Charles Co. Cont. Ch-27—One section of State Highway between Marbury and Doncaster for a distance of 2.0 miles. (Gravel.)

Queen Annes Co. Cont. Q-26—One section of State Highway from Millington toward Sudlersville for a distance of 2.0 miles. (Concrete.)

will be received by the State Roads Commission, at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 19th day of June, 1923, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans will be furnished by the commission upon application and cash payment of $1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of five hundred ($500) dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond, and comply with the Acts of the General Assembly of Maryland, respecting contracts.

The Commission reserves the right to reject any and all bids.

By Order of the State Roads Commission this 28th day of May, 1923.

JOHN N. MACKALL, Chairman.
L. H. STEUART, Secretary.

Compensation Insurance

Some contractors "give" this insurance to a friend, either personal or political. How many, we wonder, "engage" the services of a specialist to advise them right in the intricate problems that arise in this business.

ALFRED S. HAMILTON
110 William St., New York

OFFICIAL PROPOSALS

Bids: July 10.

Drainage Ditch and Improvement

DISTRICT NO. 4

Ottumwa, Ia.

In the Matter of the Cedar Creek Drainage District No. 4, of Wapello County, Iowa, and Drainage Ditch and improvement therein:

Notice is hereby given that in pursuance of an order of the Board of Supervisors of Wapello County, Iowa, made on May 17th, 1923, sealed bids will be received by the undersigned for said Board up to Two o'clock p.m., on July 10, 1923, at the Court House, Ottumwa, Ia., but not later, for the construction of said Drainage Ditch and improvement in said Drainage District No. 4, of Wapello County, Iowa, in accordance with the approved plans, profiles, specifications, and contract, in blank form for bids, and bond therefor, on file in my office; said work thereof being described as follows, and having the approximate estimated amount and quantities as specified, but which may be found to be either more or less on final measurement:

The beginning point of said Ditch and Improvement is at West ¼ Cor. N. W. ¼ Sec. 31-Competine Twp. 73-r 12 W. and ending in the S. E. ¼ Sec. 13 Pleasant Twp. 72-r. 12 on the Wapello Jefferson County Line, a distance of 7.23 miles divided into sections as follows:

Sec. E-5—42,636 cu.yds. Start work on or before May 1st, 1924. Complete by June 15, 1924.

Sec. F-6—42,129 cu.yds. Start work on or before Mch. 15, 1924. Completed by May 1, 1924.

Sec. G-7—43,643 cu.yds. Start work on or before Feb. 1, 1924. Completed by March 15, 1924.

Sec. H-8—37,654 cu.yds. Start work on or before Dec. 20, 1923. Completed by Feb. 1, 1924.

Sec. I-9—35,204 cu.yds. Start work on or before Nov. 15, 1923. Completed by Dec. 20, 1923.

Sec. J-10—24,258 cu.yds. Start work on or before Oct. 20, 1923. Completed by Nov. 15, 1923.

Sec. K-11—31,310 cu.yds. Start work on or before Sept. 15, 1923. Completed by Oct. 20, 1923.

The estimated quantity of material to be excavated in said entire ditch is 256,834 cu.yds. of excavation. This work consists in cutting a continuous channel as located, which channel is 12 feet in width at the bottom, and side slopes shall be one-half foot horizontal to one foot vertical; side slopes shall be left smooth and uniform, and bottom of channel shall be brought to proper grade elevation and left smooth and uniform ,and with an approximate depth of 10½ feet; right of way 100 feet in width.

Bids will be submitted for the entire work; and the price must be stated in both words and figures, and permission will not be granted to amend or withdraw any bid after filing with the County Auditor. Maps, plans profiles, specifications, and form for bids, contracts, etc., are on file in my office, and at the office of Brown & Cook, Engineers, Ottumwa, Iowa, and can be examined. The Board will award contract to the lowest responsible bidder therefor; but the right is hereby expressly reserved by said Board to reject any or all bids and to readvertise the letting of said work; and no bid will be considered unless on the approved form for bids furnished by the undersigned.

All bids must be signed with the recognized name of the Contractor or firm who expects to do the work if awarded the contract, and each bid must be accompanied by a certified check of some reputable bank, in the sum equal to ten per cent. of the amount of the bid, (but not to exceed $10,000.00), drawn in favor of the County Auditor of Wapello County, Iowa, as a guarantee of good faith in entering on said contract, and if awarded the contract for said work, the bidder will within ten days from the date of notice thereof, enter into said contract therefor and execute said Bond therefor, or deposit cash, as provided by law in the sum of twenty-five per cent of estimated cost of said work so let by such contract. The checks of unsuccessful bidders will be returned to them respectively as soon as award is made. All provisions of present Drainage Laws of Iowa are made a part of all said contracts.

All bids must be sealed and marked on the outside of envelope: Bid for Contract on Cedar Creek Drainage Ditch, No. 4, and addressed to Fred W. Prosser, County Auditor, Ottumwa, Wapello County, Iowa. The bids will be opened at Two o'clock p.m., on July 10, 1923, in the office of the Board of Supervisors, in Court House at Ottumwa, Iowa, and the contract, if awarded will be awarded by the said Board as soon as practicable thereafter on said date.

Witness my hand and seal this day of May, 1923.

FRED W. PROSSER,
County Auditor of Wapello Co., Ia.

Bids: June 27.

State Road Work

Raleigh, N. C.

Sealed bids for the construction of the following projects will be received by the North Carolina State Highway Commission at Raleigh, N. C., until 10 a.m., on the 27th day of June, 1923, when they will be opened and read:

Hard surface (Concrete or Asphaltic Paving Projects), including grading, reinforced concrete or cast iron pipe, structures, etc.

Project No.	County	Length (Miles)
151–B	Hyde	4.4
189 230 293	Wilson-Pitt-Greene	20.5
213	Craven	10.4
295	Wilson	8.6
438	Harnett	3.8
506–B	Alamance	0.3
672	Rowan	3.5
837–B	Henderson	5.8

Topsoil, Sand Clay, Gravel, or Grading projects, including grading, drainage pipe, structures, etc.

Project No.	County	Length (Miles)
141	Halifax	18.7
146	Hertford-Bertie	6.4
168	Northampton	16.8
464	Person	11.6
608–B	Anson	3.8
702–B	Alleghany	6.4
750–B	Stokes	8.6
812	Burke	4.9
836	Henderson	10.0
851–889	McDowell-Yancey	19.0

MACADAM PROJECTS

Penetration or Water Bound Macadam Projects, including drainage pipe, structures, etc.

Project No.	County	Length (Miles)
507	Alamance	4.0
541	Guilford	4.3
556	Montgomery	3.5
802	Avery	5.7
930–A	Graham	2.9
961–A	Macon	8.3

STRUCTURE PROJECTS

302	Bladen..Forty-five 50-ft. deck girder spans and one 350-ft. Steel Truss.
811–B	Burke....Overhead Crossing

Specifications, proposal forms, etc., may be obtained from the State Highway Commission at Raleigh, N. C.

Plans may be seen in the Raleigh office, or in the offices of the District Engineer.

Bridge plans may be obtained from the State Highway Commission at Raleigh, N. C., upon PAYMENT OF Five ($5.00) dollars per set.

The right is reserved to reject any or all bids.

By order of the North Carolina State Highway Commission.

Bids: June 22.

Street Paving

Trenton, N. J.

Notice is hereby given that sealed bids will be received and opened by the City Commission of the City of Trenton, N. J., at its meeting to be held in the Council Chamber, City Hall, Trenton, N. J., at 2:00 p.m. (daylight saving time), Friday, June 22, 1923, for the construction of approximately 30,000 sq.yd. of Sheet Asphalt on six (6) inch concrete foundation and approximately 2,000 sq.yd. of Granite Block on six (6) inch concrete foundation.

Specifications will be furnished to prospective bidders upon application to the Engineer of Streets.

The City Commission reserves the right to reject any or all bids not considered by them to be to the interest of the City.

LEON C. HIRSCH,
City Clerk.

JOSEPH E. ENGLISH,
Engineer of Streets.

OFFICIAL PROPOSALS

Bids: July 10.

Drainage Ditch and Impovement

DISTRICT NO. 6

Ottumwa, Ia.

In the Matter of the Cedar Creek Drainage District No. 6, of Wapello County, Iowa, and Drainage Ditch and improvement therein:

Notice is hereby given that in pursuance of an order of the Board of Supervisors of Wapello County, Iowa, made on May 17, 1923, sealed bids will be received by the undersigned for said Board up to Two o'clock p.m. on July 10, 1923, at the Court House, Ottumwa, Ia., but not later, for the construction of said Drainage Ditch and improvement in said Drainage District No. 6, of Wapello County, Ia., in accordance with the approved plans, profiles, specifications, and contract in blank form for bids, and bond therefor, on file in my office; said work thereof being described as follows, and having the approximate estimated amount and quantities as specified, but which may be found to be either more or less on final measurement:

The beginning point of said Ditch and Improvement is at E. of CM. & ST. P. R. RY. bridge No. 1-352 in N. W. ¼, S. W. ¼ Sec. 21-Highland Twp. 73-R 13 W. and ending at the E. ¼ Cor. S. E. ¼ Sec. 36-Highland Twp., a distance of 4.47 miles, divided into sections as follows:

Sec. A-1—34,966 cu.yds. Start work on or before Nov. 1, 1924. Completed by Dec. 1, 1924.

Sec. B-2—38,541 cu.yds. Start work on or before Sept. 1, 1924. Completed by Nov. 1, 1924.

Sec. C-3—30,904 cu.yds. Start work on or before Aug. 1, 1924. Completed by Sept. 1, 1924.

Sec. D-4—43,822 cu.yds. Start work on or before June 15, 1024. Completed by Aug. 1, 1924.

The estimated quantity of material to be excavated in said entire Ditch is 148,233 cu. yds. of excavation. This work consists in cutting a continuous channel as located, which channel is 10 feet in width at the bottom, and side slopes shall be one foot horizontal to one foot vertical; side slopes shall be left smooth and uniform, and bottom of channel shall be brought to proper grade elevation and left smooth and uniform, and with an approximate depth of 9½ feet; right of way 125 feet in width from place of beginning to CM. & ST. P. Bridge in Sec. 27-73-13 and 150 feet in width from there to the end.

Bids will be submitted for the entire work; and the price must be stated in both words and figures, and permission will not be granted to amend or withdraw any bid after filing with the County Auditor. Maps plans, profiles, specifications, and form for bids, contracts, etc., are on file in my office, and at the office of Brown & Cook, Engineers, Ottumwa, Iowa, and can be examined. The Board will award contract to the lowest responsible bidder therefor; but the right is hereby expressly reserved by said Board to reject any or all bids and to readvertise the letting of said work; and no bid will be considered unless on the approved form for bids furnished by the undersigned.

All bids must be signed with the recognized name of the Contractor or firm who expects to do the work if awarded the contract, and each bid must be accompanied by a certified check of some reputable bank, in the sum equal to ten per cent. of the amount of the bid, (but not to exceed $10,000.00), drawn in favor of the County Auditor of Wapello County, Iowa, as a guarantee of good faith in entering on said contract, and if awarded the contract for said work, the bidder will within ten days from the date of notice thereof, enter into said contract therefor and execute said Bond therefor, or deposit cash, as provided by law in the sum of twenty-five per cent of estimated cost of said work so let by such contract. The checks of unsuccessful bidders will be returned to them respectively as soon as award is made. All provisions of present Drainage Laws of Iowa are made a part of all said contracts.

All bids must be sealed and marked on the outside of envelope: Bid for Contract on Cedar Creek Drainage Ditch, No. 6, and addressed to Fred W. Prosser, County Auditor, Ottumwa, Wapello County, Iowa. The bids will be opened at Two o'clock p.m. on July 10, 1923, in the office of the Board of Supervisors, in Court House at Ottumwa, Iowa, and the contract, is awarded by the said Board as soon as practicable thereafter on said date.

Witness my hand and seal this day of May, 1923. FRED W. PROSSER.
County Auditor of Wapello Co., Ia.